

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14576

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C12N15/82 A01H11/00 C12P21/02 C12N9/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12P A01H		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BIOSIS, MEDLINE, EMBASE, WPI Data, PAJ		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/29242 A (MONSANTO CO) 26 April 2001 (2001-04-26) abstract	26-28, 30, 32, 33
Y	page 8 -page 9; examples 3,4	1-25, 29, 31, 34-37
Y	KOPRIVOVA ANNA ET AL: "Functional knockout of the adenosine 5'-phosphosulfate reductase gene in Physcomitrella patens revives an old route of sulfate assimilation." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 277, no. 35, 30 August 2002 (2002-08-30), pages 32195-32201, XP002245177 August 30, 2002 ISSN: 0021-9258 abstract	1-25, 29, 31, 34-37
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</span>		
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>* Special categories of cited documents:</p> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*&amp;* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search  <div style="text-align: center; font-weight: bold;">25 May 2004</div>		Date of mailing of the international search report  <div style="text-align: center; font-weight: bold;">24/06/2004</div>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer  <div style="text-align: center; font-weight: bold;">Huber, A</div>

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHAEFER D G ET AL: "EFFICIENT GENE TARGETING IN THE MOSS PHYSCOMITRELLA PATENS"</p> <p>PLANT JOURNAL, BLACKWELL SCIENTIFIC PUBLICATIONS, OXFORD, GB, vol. 11, no. 6, June 1997 (1997-06), pages 1195-1206, XP000885764</p> <p>ISSN: 0960-7412</p> <p>abstract</p>	1-37
A	<p>WO 01/25456 A (GORR GILBERT ;RESKI RALF (DE); GREENOVATION PFLANZENBIOTECHNO (DE))</p> <p>12 April 2001 (2001-04-12)</p> <p>cited in the application</p> <p>page 11 -page 26; claims 1-6</p>	1-37
A	<p>LEROUGE P ET AL: "N-glycoprotein biosynthesis in plants: recent developments and future trends"</p> <p>PLANT MOLECULAR BIOLOGY, NIJHOFF PUBLISHERS, DORDRECHT, NL, vol. 38, 1998, pages 31-48, XP002140796</p> <p>ISSN: 0167-4412</p> <p>abstract</p> <p>page 45, last paragraph</p>	1-37

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14576

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